

PROJECT TITLE : CIGARETTE DEVELOPMENT
TECHNICAL REPORT
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PERIOD COVERED : August 21st - September 26th 1980

365 BARBARA

K = 13 mg
N = 0.9 mg
Puff count : 9
Format : 7.95 / 20 / 84.4

During week 34 four flavoured prototypes have been produced with MLK PC 120 filter, WP 60 cigarette paper and tipping paper of different porosities.

Flavour E AC 25 from Richmond has been applied on two blends. All prototypes have been presented to Panel A for taste evaluation. Prototype No 7P has been preferred and defined as a good quality cigarette for flavour and good tobacco blend balance. The flavour sensation was similar to the CAMEL control. This prototype has been submitted to Marketing in Munich.

It appears, however, that Marketing is looking for a cigarette with more body than prototype 7P. An improved prototype cigarette No 9P was developed and will be sent to Marketing Munich.

Prototype No	7	9
Tipping paper	Z3/30	Z3/20
ETNA (%)	0	11
K	13.3	13.3
N	0.93	0.97
CO	17.6	17.1
NO	0.21	0.23
Puff count	9.2	9.4

250 COCKPIT BLUE

Re-engineering
K = 14 mg
N = 0.9 mg
CO : 14 - 15 mg
Puff count : 9 (max. 10)
Format : 7.95 / 25 / 90 mm

Prototype No 100P has been accepted by the German Marketing. Please for more details refer to July-August monthly report.

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335 LOLITA

K = 10 mg
N = 0.8 mg
Format : 7.95 / 25 / 84.4 mm

Reference is made to the monthly report of July-August 1980. Based on the specifications of the cigarette prototypes accepted for the product test in Munich three trials have been carried out. New burley casing and PC solutions from Richmond and flavours as in the Munich product test cigarettes were applied.

Prototype No	36 P	37 P	38 P
Version	C	O	E
Flavour	E AC 11	E AC 10	E AC 9

All prototypes have been submitted to the Panel A for taste evaluation and comparison with the original prototypes. They were rejected due to unclear taste and unbalanced flavour. The AC solution from Richmond is still expected.

377 JACQUELINE

K = 13 - 15 mg
N = 1.1 mg
Packing moisture : 12.5 - 13 %
Format : 7.95 / 25 / 90 mm
Cigarette paper : Wattens TAB 39300

In order to reach the objectives the development of this high quality cigarette started with six prototypes which have been produced with two different blends, different tipping papers, filter tows and sections. All prototypes have been taste evaluated by Panel A. Version No 2P was preferred and has been submitted to the German Marketing.

Prototype No	2
Tipping paper	Z3/60
Tow	5.0 Y / 45'000
K	18.9
N	1.82
CO	19.7
NO	0.22
Puff count	10.6

German Marketing asked for further development. K should not exceed 18 mg, and N must not be above 1.5 mg.

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233 COUNTRY DB

Puff count : 9
N = 0.8 mg
TA = 1.75 mg

In order to solve the problem of the visibility of electro-perforated tipping paper zone and to curb the upwards trend of nicotine delivery, it was decided, during the Lausanne meeting of the 18th of August 1980, to continue the development as explained the step below :

- 1) Modify the blend in order to reduce nicotine to 0.8 mg.
- 2) Repeat versions 7 and 11 with the current blend and with the modified blend.
- 3) Based on the best version according to step 2, carry out trials with three plasticizers at two concentration levels.
- 4) Carry out trials with DAP treated stems using the following concentrations : 0.5 %, 1 %, 1.5 % based on stem weight.
- 5) Use citrate type cigarette paper.
- 6) Conduct trials with increased cut width (0.9 mm instead of 0.8 mm).

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